



How to Apply for Designed to Earn the ENERGY STAR®

Architects can help their clients save money, save energy, and answer the call from the U.S. Environmental Protection Agency (EPA) to reduce the carbon footprint of the built environment. EPA recognizes the most energy-efficient designs—those projects that score 75 or higher on the EPA energy performance scale—with Designed to Earn the ENERGY STAR certification.

Figure 1. Target Finder Results Screen

Target Energy Performance Results

NOTE: Values are 75% Electricity - Grid Purchase and 25% Natural Gas. The Target & Average Building energy use for this facility are calculated based on fuel mix of input estimated energy use.

The design achieved a rating of 75 or higher:

APPLY for "Designed to Earn the ENERGY STAR"

View Statement of Energy Design Intent

Figure 2. Statement of Energy Design Intent from Target Finder documents estimated saving for energy use and CO₂ emissions by comparing the design intent to an average building of similar type.

STATEMENT OF ENERGY DESIGN INTENT
February 1, 2010

OMB No. 2060-0347

FACILITY INFORMATION & CHARACTERISTICS

Facility Name:	Location:	United States	63136
Space Type:	Total Floor Area:	Office	50,000 sq. ft.
	Total Gross Floor Area:		50,000 Sq. Ft.

Design Energy (kBtu)¹

Electricity - Grid Purchase	2,413,456
Natural Gas	123,456

DESIGN ENERGY RESULTS

Energy (Estimates)	DESIGN	AVERAGE BUILDING	ESTIMATED SAVINGS
EPA Energy Performance Rating (1-100)	96	50	46
Percent Energy Reduction (%) ²	57	0	N/A
Site Energy Use Intensity (kBtu/sq.ft/yr)	51	119	58
Source Energy Use Intensity (kBtu/sq.ft/yr)	164	395	221
Total Annual Site Energy Use (kBtu/yr)	2,536,912	5,965,570	3,428,658
Total Annual Source Energy Use (kBtu/yr)	8,190,201	19,259,328	11,069,126
Total Annual Energy Costs (\$)	\$ 47,069	\$ 112,564	\$ 64,695
Pollution Emissions (metric tons)³			
CO ₂ -eq	597	1,404	807

CONTACT INFORMATION

Building Owner/Company Name _____
 Address _____
 City, State, Zip Code _____
 Contact Name _____
 Phone _____ Email _____

Professional Verification (Licensed Architect/Engineer)

Prepared By _____
 Firm Name _____
 Address _____
 City, State, Zip Code _____
 Phone _____
 Email _____

Architect of Record Firm (if different from verifier)

Name _____
 Firm Name _____
 Phone _____
 Email _____

Professional Stamp
Signature & Date

The facility was designed and specified to meet the Design Energy performance calculations shown on the Statement of Energy Design Intent.

¹ Target Finder compares your estimated energy use to existing building energy data. Therefore design energy use should include estimated plug loads, process and non-regulated loads, all energy fuel sources, and occupant and systems schedules impact on energy use. An incomplete design energy profile could result in a high but inaccurate EPA Rating for the design project.
² Percent energy reduction is calculated by comparing design energy use to the average energy use for a similar building. An average building is the equivalent of a 50 on the EPA Rating.
³ The amount of carbon dioxide equivalent gases emitted from the facility's intended energy consumption.

Apply for ENERGY STAR Design Certification

The Architect of Record (AOR) ensures that the project meets all requirements and submits application materials to receive Designed to Earn the ENERGY STAR designation. To apply, complete the steps below:

1. Join the ENERGY STAR Service and Product Provider (SPP) Partnership.

Service and Product Providers work with commercial building owners and managers, providing energy use evaluations, tools and strategies to help set and achieve energy efficiency goals and targets.

- If the AOR isn't already an ENERGY STAR SPP partner, submit the **SPP Application** (by email to spp@energystar.gov) at the same time as the Designed to Earn the ENERGY STAR application.

2. Use Target Finder to Rate the Energy Efficiency of Design Projects.

Assess the impact that design strategies have on the estimated energy use of the project—with EPA's no-cost, online **Target Finder** tool.

- For projects that receive a score of 75 or higher in Target Finder, click the APPLY for "Designed to Earn the ENERGY STAR" button (see *Figure 1*). Complete application questions and click Continue to generate a Statement of Energy Design Intent (see *Figure 2*); then, print and save the final document.

3. Sign Letters of Intent and Statement of Energy Design Intent

The Architect and Building Owner sign a Letter of Intent to confirm their commitment to achieve ENERGY STAR for both the design project and the completed building. The Statement of Energy Design Intent is signed and verified by an architect or engineer to confirm that energy estimates include all intended energy use associated with the design.

Mail Application Documents

Mail the completed original version of both Letters of Intent and the Statement of Energy Design Intent to:

Attn: Designed to Earn the ENERGY STAR
 c/o The Cadmus Group
 1600 Wilson Blvd., Suite 500
 Arlington, VA 22209

View the online version of the **Designed to Earn the ENERGY STAR Guide**. Click on: **4 Apply for Designed to Earn ENERGY STAR** for a complete listing of all project requirements and details to complete this application process.

www.energystar.gov/commercialbuildingdesign



DESIGNED
TO EARN THE
ENERGY STAR

Designed to Earn the ENERGY STAR is the U.S. Environmental Protection Agency's designation for energy-efficient design projects that reduce greenhouse gas emissions.